

Abstract

A bioresorbable drug delivery stent includes a substantially cylindrical expandable stent formed of a bioresorbable or bioresorbable material and a plurality of reservoirs or openings formed in the stent containing a beneficial agent matrix comprising a bioresorbable material and a drug. The bioresorbable stent material can be a bioresorbable metal alloy, a bioresorbable polymer, or other bioresorbable material which has sufficient structural integrity to support a lumen, such as a blood vessel lumen for a predetermined period of time. The reservoirs containing the beneficial agent matrix allow delivery of the beneficial agent, such as an anti-restenotic drug, for an administration period which is generally equal to or less than a time that the bioresorbable stent is retained in the lumen. The beneficial agent matrix may include one or more bioresorbable polymers in combination with one or more therapeutic agents or drugs and the structure of the beneficial agent matrix can be programmed to achieve a desired release profile for the drug(s) and a desired administration period.